37. A method for producing a cell secretion product, comprising a step of suspension culturing the adherent cell in a medium composition comprising poly(1,4)-N-acetyl-β-D-glucosamine nanofiber having a specific acetylation degree, wherein the specific acetylation degree is 5-70%.

38. The method according to claim **37**, wherein a concentration of the poly(1,4)-N-acetyl-β-D-glucosamine nanofiber having the specific acetylation degree in the medium composition is 0.0001-0.2% (w/v).

39. The method according to claim **37**, wherein the adherent cell is a cell that self-aggregates under suspension culture.

40. The method according to claim **37**, wherein the adherent cell is a stem cell.

41. The method according to claim **40**, wherein the stem cell is a mesenchymal stem cell.

42. The method according to claim **37**, wherein a concentration of the serum in the medium composition is not more than 2%.

43. The method according to claim **37**, wherein the cell secretion product is at least one selected from the group consisting of a low-molecular-weight compound, a protein, a nucleic acid, and a cell secretion vesicle.

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